

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-099846

(43)Date of publication of application : 12.04.1994

(51)Int.Cl.

B62D 21/15

(21)Application number : 03-278393

(71)Applicant : MAZDA MOTOR CORP

(22)Date of filing : 30.09.1991

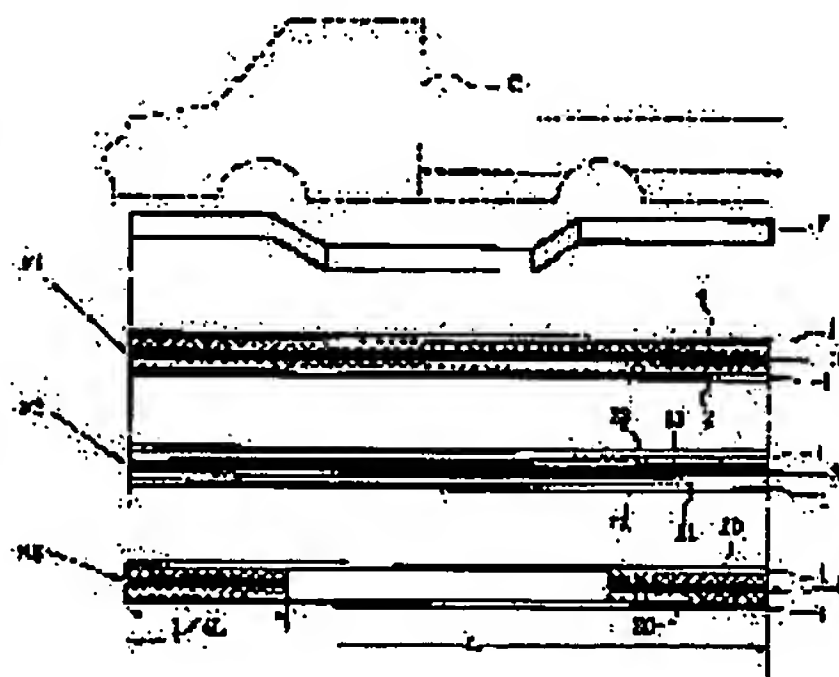
(72)Inventor : NAKABAYASHI SEIICHI
IKEDA HIROSHI
YAMASHITA SHINICHIRO
OTA TETSUYA
KAMURA TAKANOBU

(54) BODY FRAME STRUCTURE

(57)Abstract:

PURPOSE: To provide the vibration-proof structure of a vehicle preventing the low frequency vibration of a body and sufficiently lowering internal noise.

CONSTITUTION: In a lateral pair of frames F of hollow closed cross section extended in the longitudinal direction of a body, at least one of the inner surface side and outer surface side of a peripheral wall 1 forming the hollow closed cross section of the frame F is provided with a vibration damping member F1 formed by laminating an elastic material layer 2 and a mass member 3 such as iron core in order from the peripheral wall surface side. High frequency vibration is damped by the dislocation effect of the elastic material layer 2 due to its dislocation generated in relation to the peripheral wall 1 at the time of the elastic material layer 2 being deformed, and low frequency vibration, especially trembling vibration of primary bending frequency of about 20Hz, is damped by the spring-mass effect of the mass member 3.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision]

of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]